

CLAIMS

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1/ A support based on organic and/or inorganic fibres covered on at least one of the faces thereof with a chitosan-based layer, characterized in that the layer is obtained by coating with a chitosan-based aqueous solution, the average molar mass of which has a mass less than 130 000 g/mol, the concentration of which is between 6 and 30 % by weight and the viscosity of which is between 100 and 3000 cps.

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2/ A support according to claim 1, *characterised* in that the chitosan is deposited in an amount of from 6 to 15 g/m².

3/ A support according to claim 1, *characterised* in that the layer is in the form of continuous film.

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4/ A support according to claim 1, *characterised* in that the chitosan average molar mass has a mass of between 15 000 and 40 000 g/mol.

5/ A support according to claim 1, *characterised* in that the chitosan concentration in the solution is between 7 and 12 %, advantageously 10 %, by weight.

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6/ A support according to claim 1, *characterised* in that the chitosan is dissolved in the aqueous solution in the presence of citric acid.

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7/ A support according to claim 1, *characterised* in that the chitosan-based layer contains at least 80 % by weight of chitosan, advantageously 100 % by weight of chitosan.

8/ A support according to claim 1, *characterised* in that the amount of the deposited chitosan is 7 g/m².

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9/ A support according to claim 1, *characterised* in that the viscosity of the chitosan-based aqueous solution is between 200 and 1500 cps.

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10/ A support according to claim 1, *characterised* in that the chitosan-based layer is covered with a wax layer.

10 11/ A support according to claim 10, *characterised* in that the wax is coated in an amount of 1 to 3 g/m², advantageously 2 g/m².

12/ A manufacturing process of a support object of any of the claims from 1 to 11.

15 13/ A manufacturing process according to claim 12, *characterized* in that the coating with the aqueous solution is performed in only one step.

20 14/ A manufacturing process according to claim 13, *characterized* in that the coating is performed by the Meyer bar or blade type coating, metering size-press, coating with an engraved cylinder by direct coating, by transfert coating or reverse coating, curtain coating, by size-press.

25 15/ A manufacturing process according to claims 12 or 14, *characterized* in that the wax is introduced in the form of an aqueous solution in the chitosan solution, the wax representing between 0,1 and 20 % by weight of the chitosan.